



Winter Injury Studies 2010/11

Grape Bud Survival



January 21, 2011

Be aware that this data reflects samples that were collected on January 21, 2011 and will only reflect the damage present up to that date. Bud survival information for the severe freeze event of January 22/23/24 is being accumulated and the results will be publically available at <http://www.ccovi.ca/vine-alert/bud-survival> when complete.

Appellation	Cultivar	Block Influenced by Wind Machine	Low Temperature (°C) Recorded from Closest WIN Weather Station (up to Jan 21)	% Primary Bud Survival Jan 21/11
20 Mile Bench	Chardonnay	Y	-21.0 (Jan 17)	82
	Extra → Merlot	Y	-21.0 (Jan 17)	75
	Pinot Noir	Y	-21.0 (Jan 17)	75
	Sauv. Blanc	Y	-21.0 (Jan 17)	78
Creek Shores	Chardonnay (1)	N	-24.8 (Jan 17)	10
	Cab. Franc	N	-24.8 (Jan 17)	28
	Extra → Chardonnay (2)	N	-25.1 (Jan 17)	46
	Merlot	N	-25.1 (Jan 17)	45
	Pinot Noir	N	-25.1 (Jan 17)	88
	Syrah (1)	N	-25.1 (Jan 17)	42
	Extra → Sauv. Blanc (1)	N	-24.8 (Jan 17)	24
	Extra → Syrah (2)	N	-24.8 (Jan 17)	12
	Sauv. Blanc (2)	N	-24.8 (Jan 17)	12
	Lincoln Lakeshore	Chardonnay (2)	N	-20.9 (Jan 17)
Cab. Franc		N	-20.9 (Jan 17)	74
Extra → Merlot (2)		N	-20.9 (Jan 17)	85
Extra → Sauv. Blanc		N	-20.9 (Jan 17)	87
Extra → Chardonnay (1)		Y	-25.2 (Jan 17)	59
Extra → Merlot (1)		Y	-25.2 (Jan 17)	42
Extra → Pinot Noir		Y	-25.2 (Jan 17)	49

Short Hills Bench	Chardonnay	Y	-22.5 (Jan 17)	67
	Cab. Franc	Y	-22.5 (Jan 17)	66
	Merlot (1)	Y	-22.5 (Jan 17)	75
Extra →	Pinot Noir (1)	Y	-22.5 (Jan 17)	73
	Riesling	Y	-22.5 (Jan 17)	70
	Sauv. Blanc (1)	Y	-22.5 (Jan 17)	66
	Merlot (2)	N	-22.5 (Jan 17)	57
Extra →	Pinot Noir (2)	N	-22.5 (Jan 17)	68
	Sauv. Blanc (2)	N	-22.5 (Jan 17)	58
Vinemount Ridge	Cab. Franc (1)	N	-28.7 (Jan 17)	53
Extra →	Pinot Noir	N	-28.7 (Jan 17)	65
Extra →	Chardonnay	N	-25.5 (Jan 17)	36
Extra →	Cab. Franc (2)	N	-25.5 (Jan 17)	71
Extra →	Merlot	N	-20.0 (Jan 17)	35
Extra →	Sauv. Blanc	N	-20.0 (Jan 17)	61
St. David's Bench	Syrah	N	-20.0 (Jan 17)	75
Extra →	Merlot	N	-20.0 (Jan 17)	47
Extra →	Pinot Noir	N	-20.0 (Jan 17)	78

**Extra → indicates that this sample is not a part of the routine sampling for bud hardiness and survival and no additional data is available for these samples on the Vine Alert website. These extra samples were collected from additional vineyards in these sub appellations in order to gather additional data on the degree of bud injury from areas most affected after the January 17 cold event.



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